

SEQUENCE LISTING

<110> Guss, Bengt  
Nilsson, Martin  
Frykberg, Lars  
Flock, Jan-Ingmar  
Lindberg, Martin

<120> Fibrinogen Binding Protein Originating from  
Coagulase-Negative Staphylococcus

<130> guss 09/147405

<140> 09/147405

<141> 1999-04-01

<150> PCT/SE97/10191

<151> 1997-06-18

<150> SE 9602496-3

<151> 1996-06-20

<160> 15

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gtg atc aat aat aat cag tca ata aac acc gac gat aat aac caa ata 95  
Val Ile Asn Asn Asn Gln Ser Ile Asn Thr Asp Asp Asn Asn Gln Ile  
20 25 30  
att aaa aaa gaa gaa acg aat aac tac gat ggc ata gaa aaa cgc tca 143  
Ile Lys Lys Lys Glu Glu Thr Asn Asn Tyr Asp Gly Ile Glu Lys Arg Ser  
35 40 45  
gaa gat aga aca gag tca aca aca aat gta gat gaa aac gaa gca aca 191  
Glu Asp Arg Thr Glu Ser Thr Thr Asn Val Asp Glu Asn Glu Ala Thr  
50 55 60  
ttt tta caa aag acc cct caa gat aat act cat ctt aca gaa gaa gag 239  
Phe Leu Gln Lys Thr Pro Gln Asp Asn Thr His Leu Thr Glu Glu Glu  
65 70 75  
gta aaa gaa tcc tca tca gtc gaa tcc tca aat tca tca att gat act 287

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Thr	Ser	Asp	Asn	Val	Glu	Asp	Ser	His	Val	Ser	Asp	Phe	Ala	Asn	Ser		
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Asp	Ala	Glu	Asn	Leu	Ile	Tyr	Asp	Val	Thr	Phe	Glu	Val	Asp	Asp	Lys		
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II

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Tyr Asp Pro Asn Lys Asp Asp Tyr Thr Thr Ile Gln Gln Thr Val Thr	
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Met Gln Thr Thr Ile Asn Glu Tyr Thr Gly Glu Phe Arg Thr Ala Ser	
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Tyr Asp Asn Thr Ile Ala Phe Ser Thr Ser Ser Gly Gln Gly Gln Gly	
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gac ttg cct cct gaa aaa act tat aaa atc gga gat tac gta tgg gaa	1631
Asp Leu Pro Pro Glu Lys Thr Tyr Lys Ile Gly Asp Tyr Val Trp Glu	
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gat gta gat aaa gat ggt att caa aat aca aat gat aat gaa aaa ccg	1679
Asp Val Asp Lys Asp Gly Ile Gln Asn Thr Asn Asp Asn Glu Lys Pro	
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ctt agt aat gta ttg gta act ttg acg tat cct gat gga act tca aaa	1727
Leu Ser Asn Val Leu Val Thr Leu Thr Tyr Pro Asp Gly Thr Ser Lys	
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tca gtc aga aca gat gaa gat ggg aaa tat caa ttt gat ggg gtg cag	1775
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 85 90 95  
 Gln Gln Pro Ser His Thr Thr Ile Asn Arg Glu Glu Ser Val Gln Thr  
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 Ser Asp Asn Val Glu Asp Ser His Val Ser Asp Phe Ala Asn Ser Lys  
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 Gln Pro Asn Lys Val Lys Glu Asp Ser Thr Thr Ser Gln Pro Ser Gly  
 145 150 155 160  
 Tyr Thr Asn Ile Asp Glu Lys Ile Ser Asn Gln Asp Glu Leu Leu Asn  
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 Ser Ala Gln Pro Ser Ile Lys Arg Val Thr Val Asn Gln Leu Ala Ala  
 195 200 205  
 Glu Gln Gly Ser Asn Val Asn His Leu Ile Lys Val Thr Asp Gln Ser  
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 225 230 235 240  
 Ala Glu Asn Leu Ile Tyr Asp Val Thr Phe Glu Val Asp Asp Lys Val  
 245 250 255  
 Lys Ser Gly Asp Thr Met Thr Val Asp Ile Asp Lys Asn Thr Val Pro  
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 275 280 285  
 Gly Glu Ile Ile Ala Thr Gly Thr Tyr Asp Asn Lys Asn Lys Gln Ile



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 305                      310                      315                      320  
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 Pro Asp Ser Asn Arg Ile Tyr Asp Tyr Ser Glu Tyr Glu Asp Val Thr  
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 Phe Gly Asn Ile Asp Ser Pro Tyr Ile Ile Lys Val Ile Ser Lys Tyr  
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 gaatctgttc aaacaagtga taatgtagaa gattcacacg tatcagattt tgctaactct 360  
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 aaagtaaaaag aagattcaac aacaagtcag ccgtctggct atacaaatat agatgaaaaa 480  
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 ggatatgatg atagtgaagg tgttattaaa gcacatgatg ctgaaaactt aatctatgat 720  
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 Tyr Asp Gly Ile Glu Lys Arg Ser Glu Asp Arg Thr Glu Ser Thr Thr  
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Asn Thr His Leu Thr Glu Glu Glu Val Lys Glu Ser Ser Ser Val Glu  
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 Ser Gly Lys Glu Glu Asn Thr Ile Glu Gln Pro Asn Lys Val Lys Glu  
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 Asp Ser Thr Thr Ser Gln Pro Ser Gly Tyr Thr Asn Ile Asp Glu Lys  
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 Ile Ser Asn Gln Asp Glu Leu Leu Asn Leu Pro Ile Asn Glu Tyr Glu  
 165 170 175  
 Asn Lys Ala Arg Pro Leu Ser Thr Thr Ser Ala Gln Pro Ser Ile Lys  
 180 185 190  
 Arg Val Thr Val Asn Gln Leu Ala Ala Glu Gln Gly Ser Asn Val Asn  
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 His Leu Ile Lys Val Thr Asp Gln Ser Ile Thr Glu Gly Tyr Asp Asp  
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 Ser Glu Gly Val Ile Lys Ala His Asp Ala Glu Asn Leu Ile Tyr Asp  
 225 230 235 240  
 Val Thr Phe Glu Val Asp Asp Lys Val Lys Ser Gly Asp Thr Met Thr  
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 260 265 270  
 Thr Ile Pro Lys Ile Lys Asp Asn Ser Gly Glu Ile Ile Ala Thr Gly  
 275 280 285  
 Thr Tyr Asp Asn Lys Asn Lys Gln Ile Thr Tyr Thr Phe Thr Asp Tyr  
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Ile Asp Lys Ser Lys Val Pro Asn Asn Asn Thr Lys Leu Asp Val Glu  
325 330 335

Tyr Lys Thr Ala Leu Ser Ser Val Asn Lys Thr Ile Thr Val Glu Tyr  
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Gln Arg Pro Asn Glu Asn Arg Thr Ala Asn Leu Gln Ser Met Phe Thr  
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Asn Ile Asp Thr Lys Asn His Thr Val Glu Gln Thr Ile Tyr Ile Asn  
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Pro Leu Arg Tyr Ser Ala Lys Glu Thr Asn Val Asn Ile Ser Gly Asn  
385 390 395 400

Gly Asp Glu Gly Ser Thr Ile Ile Asp Asp Ser Thr Ile Ile Lys Val  
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Tyr Lys Val Gly Asp Asn Gln Asn Leu Pro Asp Ser Asn Arg Ile Tyr  
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Asp Tyr Ser Glu Tyr Glu Asp Val Thr Asn Asp Asp Tyr Ala Gln Leu  
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Gly Asn Asn Asn Asp Val Asn Ile Asn Phe Gly Asn Ile Asp Ser Pro  
450 455 460

Tyr Ile Ile Lys Val Ile Ser Lys Tyr Asp Pro Asn Lys Asp Asp Tyr  
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Thr Thr Ile Gln Gln Thr Val Thr Met Gln Thr Thr Ile Asn Glu Tyr  
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Thr Ser Ser Gly Gln Gly Gln Gly Asp Leu Pro Pro Glu Lys Thr Tyr  
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Lys Ile Gly Asp Tyr Val Trp Glu Asp Val Asp Lys Asp Gly Ile Gln  
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new

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Leu Leu Thr Lys Lys Lys Pro Ile Ala Asn Lys Ser Asn Lys Tyr Ala  
10 15 20

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Ile Arg Lys Phe Thr Val Gly Thr Ala Ser Ile Val Ile Gly Ala Thr  
25 30 35

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Leu Leu Phe Gly Leu Gly His Asn Glu Ala Lys Ala Glu Glu Asn Ser  
40 45 50 55

gta caa gac gtt aaa gat tcg aat acg gat gat gaa tta tca gac agc 245  
Val Gln Asp Val Lys Asp Ser Asn Thr Asp Asp Glu Leu Ser Asp Ser  
60 65 70

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Asn Asp Gln Ser Ser Asp Glu Glu Lys Asn Asp Val Ile Asn Asn Asn  
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Gln Ser Ile Asn Thr Asp Asp Asn Asn Gln Ile Ile Lys Lys Glu Glu  
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acg aat aac tac gat ggc ata gaa aaa cgc tca gaa gat aga aca gag 389  
Thr Asn Asn Tyr Asp Gly Ile Glu Lys Arg Ser Glu Asp Arg Thr Glu  
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Ser Thr Thr Asn Val Asp Glu Asn Glu Ala Thr Phe Leu Gln Lys Thr	
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Pro Gln Asp Asn Thr His Leu Thr Glu Glu Glu Val Lys Glu Ser Ser	
140 145 150	
tca gtc gaa tcc tca aat tca tca att gat act gcc caa caa cca tct	533
Ser Val Glu Ser Ser Asn Ser Ser Ile Asp Thr Ala Gln Gln Pro Ser	
155 160 165	
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His Thr Thr Ile Asn Arg Glu Glu Ser Val Gln Thr Ser Asp Asn Val	
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Glu Asp Ser His Val Ser Asp Phe Ala Asn Ser Lys Ile Lys Glu Ser	
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Asn Thr Glu Ser Gly Lys Glu Glu Asn Thr Ile Glu Gln Pro Asn Lys	
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Val Lys Glu Asp Ser Thr Thr Ser Gln Pro Ser Gly Tyr Thr Asn Ile	
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Asp Glu Lys Ile Ser Asn Gln Asp Glu Leu Leu Asn Leu Pro Ile Asn	
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Glu Tyr Glu Asn Lys Ala Arg Pro Leu Ser Thr Thr Ser Ala Gln Pro	
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Ser Ile Lys Arg Val Thr Val Asn Gln Leu Ala Ala Glu Gln Gly Ser	
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Asn Val Asn His Leu Ile Lys Val Thr Asp Gln Ser Ile Thr Glu Gly	
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Tyr Asp Asp Ser Glu Gly Val Ile Lys Ala His Asp Ala Glu Asn Leu	
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Thr Asp Tyr Val Asp Lys Tyr Glu Asn Ile Lys Ala His Leu Lys Leu	
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Asp Val Glu Tyr Lys Thr Ala Leu Ser Ser Val Asn Lys Thr Ile Thr	
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Val Glu Tyr Gln Arg Pro Asn Glu Asn Arg Thr Ala Asn Leu Gln Ser	
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Tyr Ile Asn Pro Leu Arg Tyr Ser Ala Lys Glu Thr Asn Val Asn Ile	
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Asp Ser Asp Ser Asp Asn Asp Ser Asp Leu Gly Asn Ser Ser Asp Lys	
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Ser Lys Gly Thr Leu Leu Gly Thr Leu Phe Ala Gly Leu Gly Ala Leu	
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Leu Leu Gly Lys Arg Arg Lys Asn Arg Lys Asn Lys Asn  
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Ser Ile Val Ile Gly Ala Thr Leu Leu Phe Gly Leu Gly His Asn Glu  
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Ala Lys Ala Glu Glu Asn Ser Val Gln Asp Val Lys Asp Ser Asn Thr  
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Asp Asp Glu Leu Ser Asp Ser Asn Asp Gln Ser Ser Asp Glu Glu Lys  
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Asn Asp Val Ile Asn Asn Asn Gln Ser Ile Asn Thr Asp Asp Asn Asn  
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Gln Ile Ile Lys Lys Glu Glu Thr Asn Asn Tyr Asp Gly Ile Glu Lys  
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Ala Thr Phe Leu Gln Lys Thr Pro Gln Asp Asn Thr His Leu Thr Glu  
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Glu Glu Val Lys Glu Ser Ser Ser Val Glu Ser Ser Asn Ser Ser Ile



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 Ser Val Asn Lys Thr Ile Thr Val Glu Tyr Gln Arg Pro Asn Glu Asn  
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 Lys Glu Thr Asn Val Asn Ile Ser Gly Asn Gly Asp Glu Gly Ser Thr  
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 Ile Ile Asp Asp Ser Thr Ile Ile Lys Val Tyr Lys Val Gly Asp Asn  
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 Lys Pro Leu Ser Asn Val Leu Val Thr Leu Thr Tyr Pro Asp Gly Thr  
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915

920

925

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